



Nov 22, 2024

**Ministry of Environment, Forest and Climate Change  
Government of India  
Integrated Regional Office,  
Shillong – 793021, Meghalaya**

Subject: Implementation of conditions stipulated in the Ministry's environmental clearance letter No.J-11015/6/2006 IA (M) dated 04th December 2006 regarding Shale and Siltstone Mining Project at Shella, Tehsil Sohra, Distt.East Khasi Hills, Meghalaya of M/S Lafarge Umiam Mining Pvt.Ltd.

Madam,

We have been advised by your good self to obtain clearance for the shale mine project vide letter No.RO-NE/DIA/MLJM1/5/1686 dated 27/09/2007. As such, a proposal is being formulated for seeking approval under the Forest (Conservation) Act, 1980. All the terms and conditions stipulated in the environmental clearance letter will be complied with after getting Forest clearance and subsequent Mining Operation. However, a condition-wise compliance status in tabular form for the period April to September 2024 is enclosed herewith.

The above report is also displayed on our official website "<http://www.lumpl.com>"

We are fully committed to comply with environmental safeguards.

Thanking You,

George Chacko  
Director Corporate Affairs

Enclosures: As stated above

- Cc: 1. The Member Secretary Meghalaya State Pollution Control Board, Arden  
Lumpyngad Shillong  
2. Zonal Officer, Central Pollution Control Board Shillong Meghalaya "TUM-SIR",  
Lower Motinagar; Near Fire Brigade  
3. Director (S), Impact Assessment Division Ministry of Environment, Forests and  
Climate Change Indira Paryavaran Bhavan Jorbagh Road New Delhi - 110 003  
INDIA

### Lafarge Umiam Mining Private Limited

A company of  LafargeHolcim and 

CIN No. U14107ML 1999PTC005707

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**Shale Compliance with the Conditions of Environmental Clearance letter  
as on 30 September 2024**

Sl. No.	Conditions	Status of Compliance
<b>A. Specific conditions</b>		
(i)	All the conditions stipulated by the State Pollution Control Board in their Consent to establish should be effectively implemented.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.</p>
(ii)	The mining operation shall not intersect groundwater table. Prior approval of the Ministry of Environment & Forest and Central Ground water Authority shall be used for reclamation and rehabilitation of mined out areas.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.</p>
(iii)	Topsoil, if any shall be stacked properly with proper slope with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.</p>
(iv)	There shall be no external overburden dump created due to mining.	Will be complied with.

		<p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.</p>
(v)	<p>Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon and maintained properly.</p> <p>Garland drain (size, gradient and length) shall be constructed for mine pit and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.</p>
(vi)	<p>Plantation shall be raised in an area of 42.0247 ha including a green belt around ML area, road etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2000 plants per ha.</p>	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.</p>
(vii)	<p>The project authority should implement suitable conservations measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.</p>	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.</p>
(viii)	<p>The mining shall be carried out in a manner that the natural drainage of the area is not adversely affected and that the flow of water in the river downstream is not affected.</p>	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p>

		As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.
(ix)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out for four times in a year – pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.</p>
(x)	Permission from the competent authority should be obtained for drawl of water from Phalangkaruh river, required for the project.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.</p>
(xi)	Concentration of total suspended solids (TSS) in the surface water downstream should be monitored regularly and records maintained.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.</p>
(xii)	The recommendations /findings of study conducted through Indian Bureau of Mines for slope stability should be strictly followed during mining.	<p>Will be complied with.</p> <p>The mining lease of the site is yet to be granted pending forestry clearance.</p> <p>As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.</p>

(xiii)	The conveyor to be used for transportation of mineral should be closed conveyor to minimize fugitive emission.	The existing fully close conduit conveyor used for transporting mineral from the limestone mine to our cement plant at Chhatak will be used for Shale transport.
(xiv)	Vehicular emission should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.	Will be complied with.  The mining lease of the site is yet to be granted pending forestry clearance.  As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.
(xv)	The project authorities should undertake sample survey to generate data on pre-project community health status for the population living within 5 km of the mine lease. Periodic medical check up camp shall also be organized in the near by villages.	We have already started free medical check-up with free medicine supply to the patients. Periodic medical check-up, free eye camp etc.
(xvi)	Drilling and blasting shall not be entertained.	Will be complied with.  The mining lease of the site is yet to be granted pending forestry clearance.  As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007, we are in the process of submitting a proposal for forestry clearance.
(xvii)	Consent to operate should be obtained from SPCB before starting production from the mine.	Will be complied with.
(xviii)	Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and wastewater generated during mining operation.	Will be complied with.
(xix)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna such as jungle cat, leopard cat, pangolin, king cobra,python etc. spotted in the study area. Wildlife conservation plan for protection of endangered flora and fauna found in the study area shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for allocation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional Office with 3 months.	Will be complied with.  The mining lease of the site is yet to be granted pending forestry clearance.  As per advice of the North Eastern Regional Office of MoEFCC vide their letter no. RO-NE/E/IA/ML/MI/5/1686 dated 27/09/2007; we are in the process of submitting a proposal for forestry clearance.

		Action will be initiated for preparation of wildlife conservation plan. The same will be submitted after the forestry clearance.
(xx)	A final Mine closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forest 5 years in advance of final mine closure for approval.	Noted, will be complied with.
<b>B. General conditions</b>		
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	Noted.
(ii)	No change in the calendar plan including excavation, quantum of shale and siltstone and waste should be made.	Noted.
(iii)	Four ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO <sub>2</sub> , NO <sub>x</sub> and CO monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	Will be complied with after obtaining Forestry clearance.
(iv)	Data on ambient air quality (RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> ) should be regularly submitted to the Ministry including its Regional Office at Shillong and the State Pollution Control Board/Central Pollution Control Board once in six months.	Noted, will be complied with.
(v)	Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Noted, will be complied with.
(vi)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs.	Noted, will be complied with.
(vii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Noted, will be complied with.
(viii)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any Contractors due to exposures to dust and take corrective measures, if needed.	Noted, will be complied with.

(viii)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a senior-executive, who will report directly to the Head of the Organization.	Noted, will be complied with.
(ix)	The project authorities should inform to the Regional Office located at Shillong regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted, will be complied with.
(x)	The fund earmarked for environmental protection measures should be kept in separate account and should not be diverted to other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Shillong.	Noted, will be complied with.
(xi)	The Regional Office of this Ministry located at shillong shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data / information / monitoring report.	We will take due care.
(xii)	A copy of the clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom suggestion/representation, if any, was received while processing the proposal.	Already complied with.
(xiii)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office/Tehsildar Office for 30 days.	Already complied with.
(xiv)	The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at web site of the Ministry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to Regional Office of the Ministry located at Shillong.	Already complied with.